ABSTRACT

A speech recognizer 300 built into a navigation apparatus 100 includes a noise estimator 320 which calculates a noise model based on a microphone input signal, an adaptive processor 330 which performs an adaptive process on each keyword model and each non-keyword model stored in an HMM database 310 based on the noise model. The adaptive processor 330 performs a data adaptation process on each keyword model and non-keyword model based on the noise model and word spotting is performed based on the keyword models and the non-keyword models subjected to the data adaptation process.